**Scripting Languages**

**List of Programs – 3**

**Perform the following programs using ‘while’ loop**

1. What is the output of the following code segement:

i=0

while i<=10:

print (i, end=”\t”)

i+=2

1. Write a Python script to calculate sum and average of first n numbers
2. Write a Python script to find sum of numbers from m to n
3. Write a Python script to print the reverse of a given number
4. Write a Python script to find whether a given number is Armstrong or not
5. Write a Python script to find sum of digits of a given number
6. Write a Python script to find whether the given number is palindrome or not
7. Write a Python script to find whether the given number is a perfect number or not
8. Write a Python script to count the number of digits, uppercase and lowercase characters entered by the user. The program should continue until the user enters the ‘\*’ character to stop
9. Write a Python script to count the number of digits in a given number
10. Write a Python script to generate the following pattern:

$ \* \* \* \*

\* $ \* \* \*

\* \* $ \* \*

\* \* \* $ \*

\* \* \* \* $